
9. Spanish Quiz

Program file: SpanishQuiz.java

Input File: spanishquiz.dat

You're studying for a quiz in your Spanish class over the countries in Latin America and their capitals. You decide that you could use this opportunity to practice your programming skills and develop a simple flashcard game. Step one is to write the core logic of your program. It must handle quiz questions in two formats, as follows:

What is the capital city of <country>?
<City> is the capital city of which country?

You have the complete list of countries and corresponding capitals, which follows:

Mexico D.F., Mexico
Guatemala, Guatemala
Tegucigalpa, Honduras
San Salvador, El Salvador
Managua, Nicaragua
San Jose, Costa Rica
Panama, Panama
Caracas, Venezuela
Bogota, Colombia
Quito, Ecuador
Lima, Peru
La Paz, Bolivia
Asuncion, Paraguay
Santiago, Chile
Buenos Aires, Argentina
Montevideo, Uruguay
Brasilia, Brazil

Input

The first line of input will be a single integer, n , indicating the number of quiz questions to follow. Each subsequent line will be a quiz question in one of the two formats given above. You may assume the city or country specified is contained in the above list, and that there are no special characters in any of the names (e.g., Bogota will not have an accent on the 'a').

Constraints

$1 \leq n \leq 10$

Output

Your program must output the correct city or country in response to the input question in the following format:

<City> is the capital city of <country>.

Example Input File

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What is the capital city of Colombia?
Lima is the capital city of which country?
Tegucigalpa is the capital city of which country?

Example Output to Screen

Bogota is the capital city of Colombia.
Lima is the capital city of Peru.
Tegucigalpa is the capital city of Honduras.